

### **ABSTRACT OF THE DISCLOSURE**

[0046] An optically pumped semiconductor laser apparatus having a vertical emitter (2) and having one pump laser (5) for optically pumping the vertical emitter (2), with the vertical emitter (2) and the pump laser (5) being monolithically integrated. The pump laser (5) and the vertical emitter (2) each have a radiation-emitting zone (3, 6). During operation, the temperature of the radiation-emitting zone (6) of the pump laser (5) is lower than the temperature of the radiation-emitting zone (3) of the vertical emitter (2).